

1/8

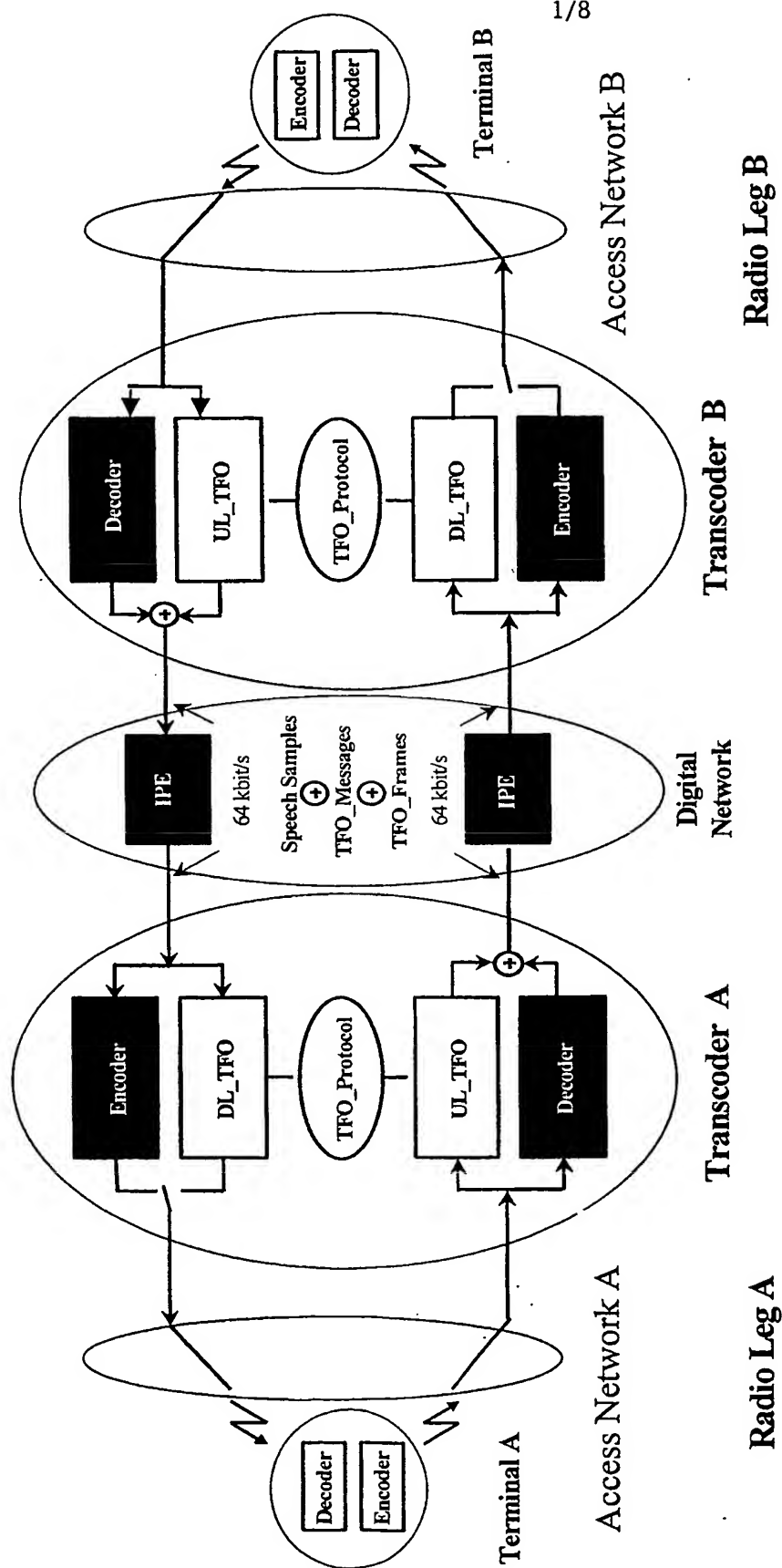
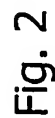


Fig. 1



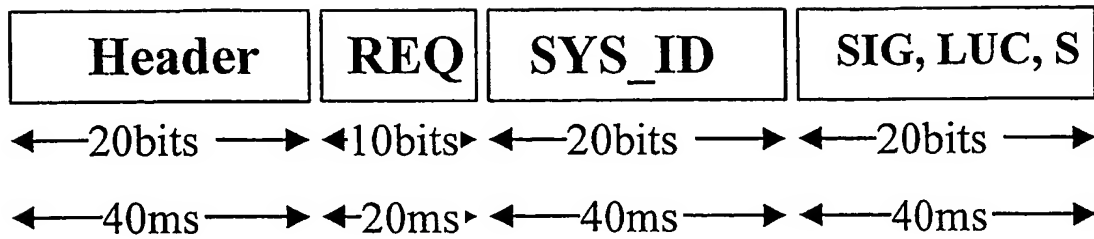


Fig. 3

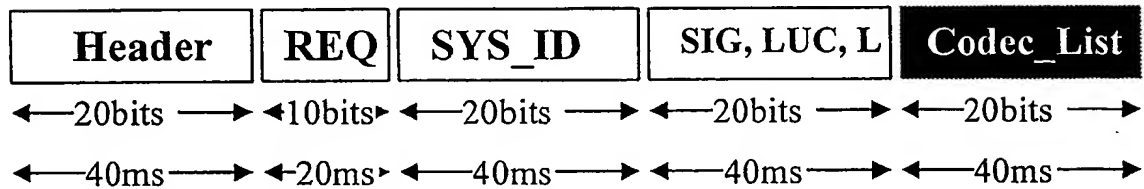


Fig. 4

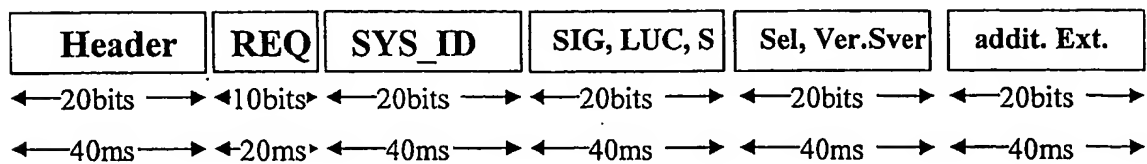


Fig. 5

Bit	Description	Comment
Bit 1	"0"	normal IS-Message Sync Bit, constant.
Bit 2..6	Selector	Indicates if and which further extension_blocks are following. Coding for bits 2.3.4.5.6: 00000: nothing is following after this TFO_Version 00001: One (or more) alternative Codec Type(s) is (are) following, 10101: reserved (used by the IS_Header) all other codes: reserved for future use.
Bit 7..10	Ver	This field contains the TFO_Version number
Bit 11	"0"	normal IS-Message Sync Bit, constant
Bit 12.. 15:	Sver	This field contains the TFO_Subversion number
Bit 16..18:	CRC	3 CRC bits protecting Bits 2 to 10 and 12 to 15
Bit 19..20:	EX	The normal 2 bits for IS_Message Extension: 00: No other extension block follows 11: An other extension block follows

Fig. 6a

Bit	Description	Comment
Bit 1	"0"	normal IS-Message Sync Bit, constant.
Bit 2	PAR_Sel	Differentiates this Extension_Block 0: Parameters included in PAR field: Simple Codec_List_Extension 1: Length Indicator (LI) included: Parameters follow in subsequent Extension_Blocks
Bit 3..10	CoID	This field identifies the Codec_Type for which the subsequent attributes are valid. The same coding as in the Codec_x Extension_Block is used (long form)
Bit 11	"0"	normal IS-Message Sync Bit, constant
Bit 12.. 15:	LI / PAR	If Par_Sel==1: LI: Length Indicator: 0000: reserved; 0001: one other Extension_Block follows, etc. If Par_Sel==0: PAR: Codec specific definition of these four bits
Bit 16..18:	CRC	3 CRC bits protecting Bits 2 to 10 and 12 to 15
Bit 19..20:	EX	The normal 2 bits for IS_Message Extension: 00: No other extension block follows 11: An other extension block follows

Fig. 6b

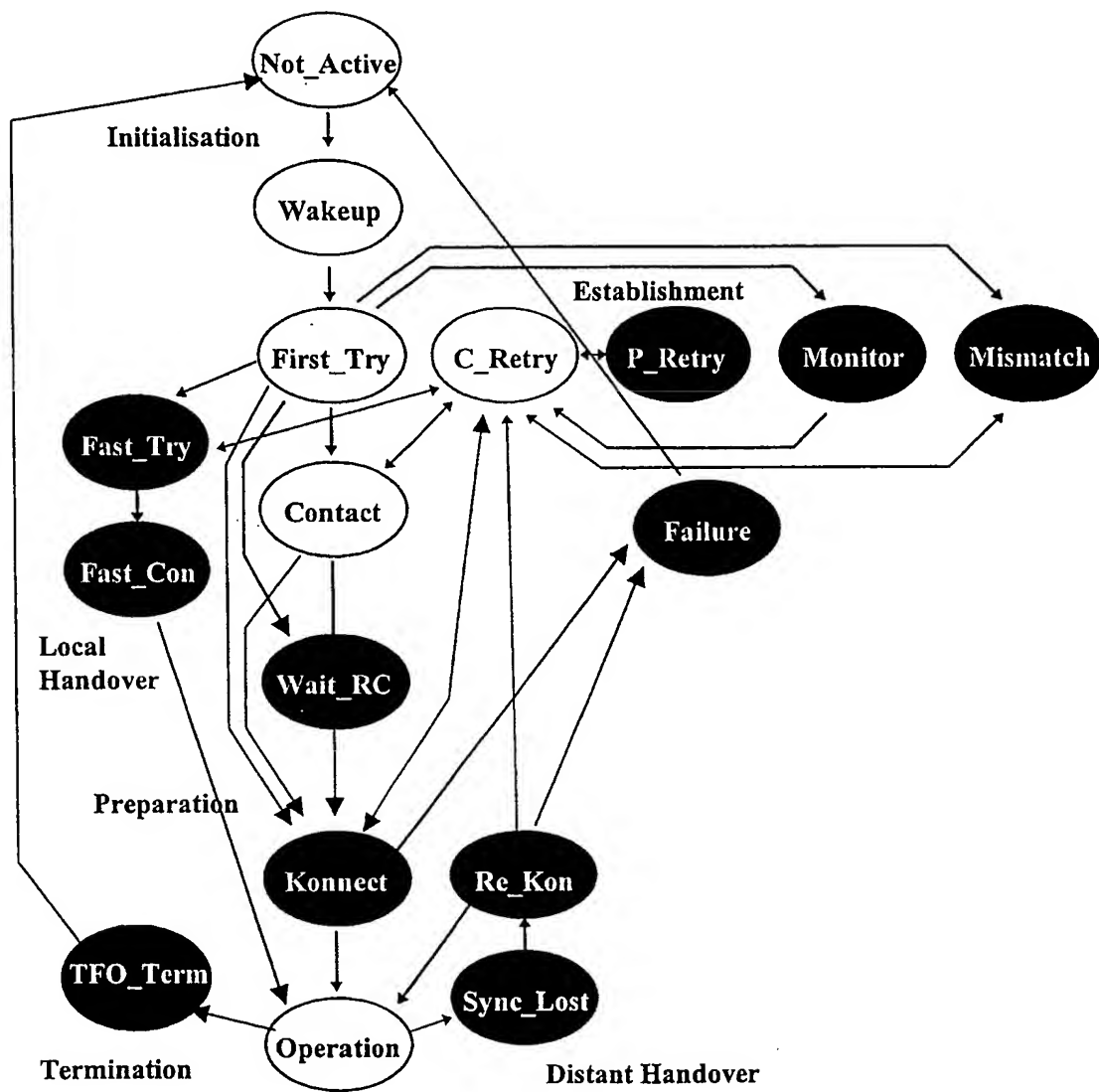


Fig. 7

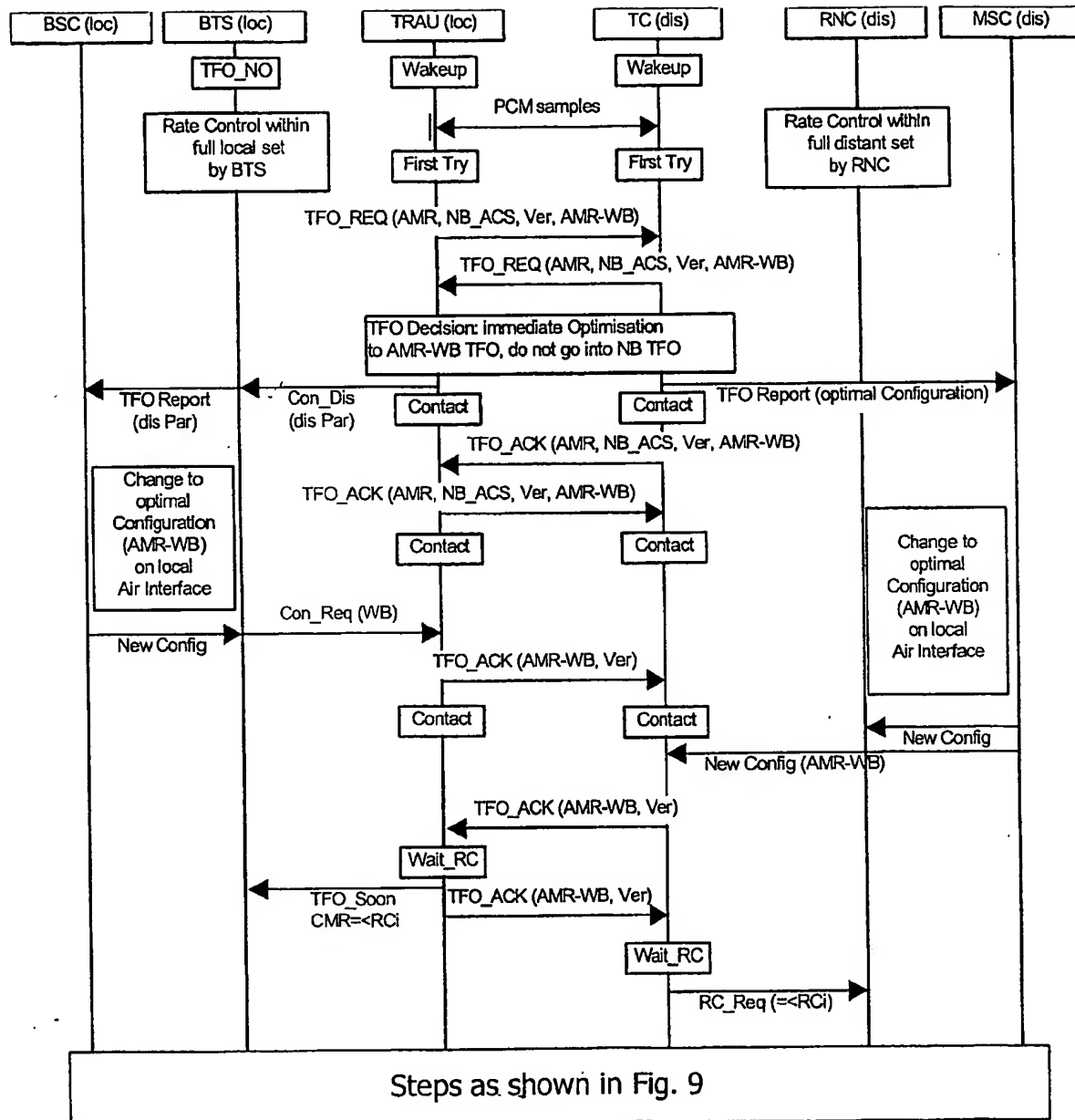


Fig. 8

7/8

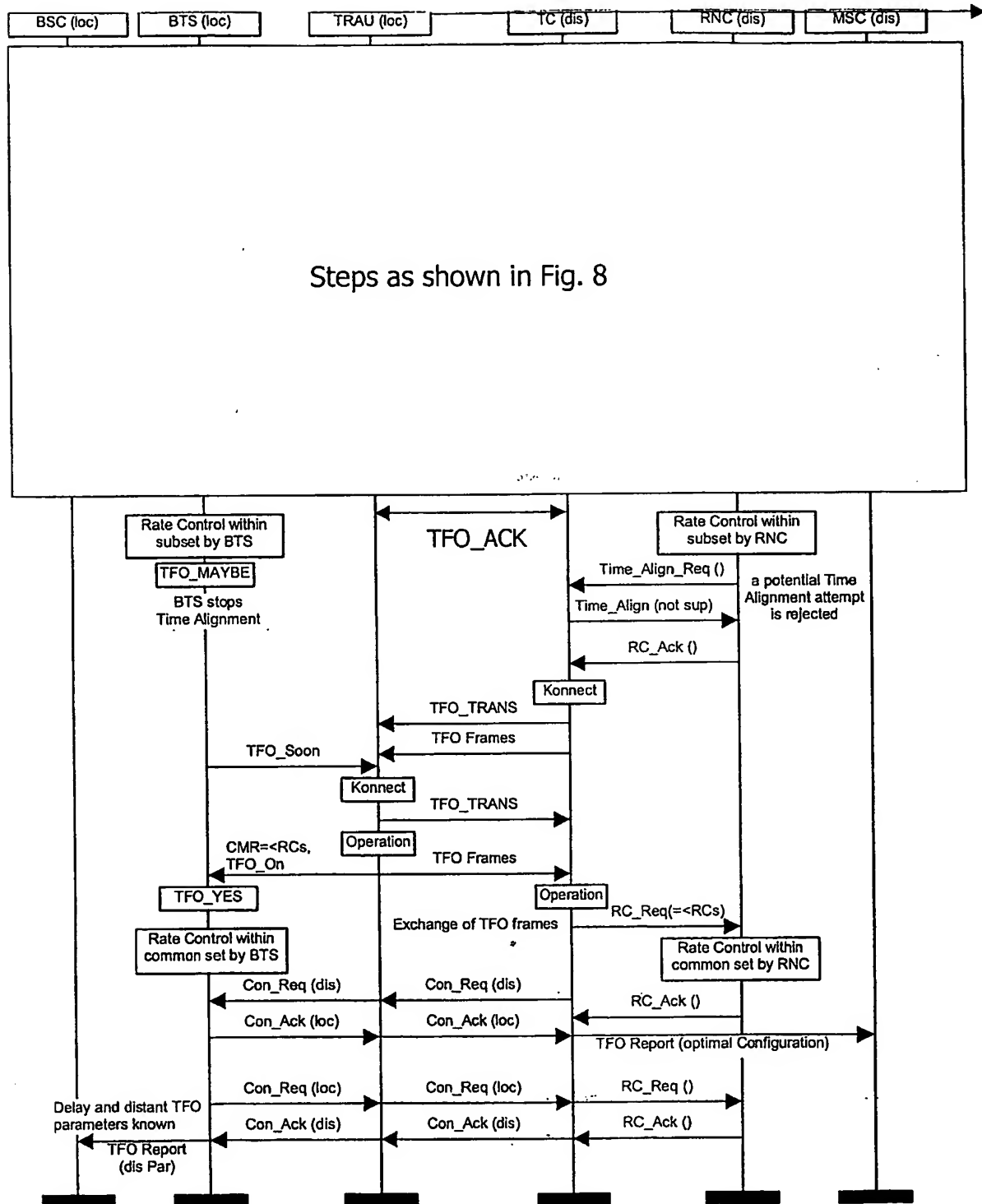


Fig. 9

Feature→ Codec Type↓	TFO Version	Immediate Codec Type Optimisation	Generic Configuration Frames
GSM_FR GSM_HR GSM_EFR	Optional. The TFO Version extension block need not to be sent. If not contained in TFO Messages, or is lower than 5.3, then Pre-REL-5 handling shall apply	Mandatory, if TFO Version is 5.3 or higher.	If the TFO Version is lower than 5.3 then Generic Configuration Frames shall <u>not</u> be used. Only TFO_REQ_L and (TFO_ACK_L) shall be used. If the TFO Version is 5.3 or higher, then Generic Configuration Frames shall be used. TFO_REQ_L and TFO_ACK_L shall <u>not</u> be used embedded into TFO Frames.
FR_AMR HR_AMR UMTS_AMR UMTS_AMR2 OHR_AMR	Optional. The TFO Version extension block need not to be sent. If not contained in TFO Messages, or is lower than 5.3, then Pre-REL-5 handling shall apply	Mandatory, if TFO Version is 5.3 or higher.	If the TFO Version is lower than 5.3, then Generic ConfigurationFrames shall <u>not</u> be used. If the TFO Version is 5.3 or higher, then Generic Configuration Frames shall be used. The parameter field in REL-4 AMR Configuration frames shall be treated as undefined. TFO_REQ_L and TFO_ACK_L shall <u>not</u> be used embedded into TFO Frames.
FR_AMR-WB UMTS_AMR-WB OFR_AMR-WB OHR_AMR-WB	Mandatory. The TFO Version extension block shall always be sent.	Mandatory.	Generic Configuration Frames shall be used. TFO_REQ_L and TFO_ACK_L shall <u>not</u> be used embedded into TFO Frames.

Fig. 10